

Project No. _____
Book No. _____

TITLE Repeat unit assay QC for rTaq
lot # EKBT1 done on P 61

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Amplitag lot # 9957 for control
lot EKBT1 is ~401 u/ml based on P.61

1. starting dilutions of EKBT1:

1:80 (estimate cf=5 u/l)

1:160 (estimate cf=2.5 u)

lot EKBT1 5 μ l

5 μ l

Tag storage 395 μ l
buffer

395 μ l

actual is 4.03 u/l

actual is 2.01 u

Vf= 400 μ l

Vf= 800 μ l

2. 1/600 dilutions

serial dilution #	1-6	7-12	13-18	19-24	25-30	31-36	37-42	43-48	49-54
	I	II	III	IV	V	VI	A-1	A-2	A-3
1:80 dil	31	3	3						
1:160 dil				3	3	3			
Amplitag 5 u/l							3	3	3
lot # 1									

Dilution buffer 1797 μ l
Vf= 2000 μ l
1800 μ l

Vortex 5 s
use from 20 to 40 ml

dilute I - A-3 as shown for I below:

3. Serial dilutions

serial dilution #	dilution buffer
1	100 λ \rightarrow 300 λ
2	100 λ \rightarrow 300 λ
3	100 λ \rightarrow 300 λ
4	100 λ \rightarrow 300 λ
5	100 λ \rightarrow 300 λ
6	1 ml of I \rightarrow 300 λ

dilute I - III and assay
then dilute IV - VI and assay
then dilute A-1 - A-3 and assay

SA I-III = 45 μ l assay mix + 5 μ l dil buffer, do same for IV-VI
spot 4 x 5 μ l on 6 FC in one aqueous

Blank is 45 μ l assay mix + 5 μ l dil buffer \rightarrow spot on GTC along with other

Witnessed & Understood by me,
Deeanna Polansky

Date
1/6/95

Invented by
[Signature]
Recorded by

Date
11-15-94

age No. _____

55-57 = Blank for I-III, IV-VI and A1-A3 respectively

58-61 = SA for I-III

62-65 = SA for IV-VI

Result:

using amphotas lot #9957 here gives a
unit value of ~~323.4 u/ml~~ 323.4 u/ml
compared to 401 u/ml (found on P.61, 10-1-94)

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Read & Understood by me,

Date

Invented by

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10-15-94

Sandra Pokany

1/6/95